

## **Wireless and Wired Cable Modem Applications of Universal Frequency Translation Technology**

### ***Abstract***

5      Frequency translation and applications of same are described herein, including cable  
modem applications. Such applications include, but are not limited to, frequency down-  
conversion, frequency up-conversion, enhanced signal reception, unified down-conversion and  
filtering, and combinations and applications of same. Furthermore, QAM, QPSK, and other  
modulation techniques are also described.

1744.0140005